

A SYSTEM AND METHOD FOR SNP GENOTYPE CLUSTERING

Abstract

A system and methods for evaluating genetic information and biological data applying a clustering approach which may be used for allele calling and genotyping. Statistical analysis of sample data is performed at various levels to develop a model which associates individual data points with selected genotyping clusters and provides a relative indication of the call confidence. The methods provide a unified framework for allele-calling in many different contexts and may be applied to the data acquired from various identification methodologies.

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